

What is claimed is:

1. A device for processing a substrate, comprising:  
a laser source;  
an optical deflection and mapping system arranged in a light path of the laser beam;  
a glass guard shielding the optical system in the direction of the substrate, wherein  
the glass guard includes a heating device, adapted to heat at least a portion of the glass  
guard to a noticeably higher temperature than its surroundings.
2. A device as claimed in claim 1, wherein the heating device includes a heating  
element which encloses the glass guard in an annular manner.
3. A device as claimed in claim 1, wherein the heating device includes a hot air  
blower with at least one outlet nozzle directed at the glass guard.
4. A device as claimed in claim 3, wherein the blower includes a plurality of outlet  
nozzles distributed evenly around the periphery of the glass guard.
5. A device as claimed in claim 1, wherein the glass guard is adapted to be heated with  
the heating device to a temperature between approximately 50°C and approximately  
120°C.
6. A device as claimed in claim 1, further comprising an extraction device, arranged  
in a zone between the heating device and the substrate.
7. A device as claimed in claim 1, wherein the heating device includes an annular  
heating element.
8. A device as claimed in claim 1, wherein the heating device includes a hot air  
blower.
9. A device as claimed in claim 8, wherein the blower includes a plurality of outlet  
nozzles distributed evenly around the periphery of the glass guard.
10. A device as claimed in claim 2, wherein the glass guard is adapted to be heated with  
the heating device to a temperature between approximately 50°C and approximately  
120°C.

11. A device as claimed in claim 3, wherein the glass guard is adapted to be heated with the heating device to a temperature between approximately 50°C and approximately 120°C.
12. A device as claimed in claim 8, wherein the glass guard is adapted to be heated with the heating device to a temperature between approximately 50°C and approximately 120°C.
13. A device as claimed in claim 9, wherein the glass guard is adapted to be heated with the heating device to a temperature between approximately 50°C and approximately 120°C.
14. A device as claimed in claim 2, further comprising an extraction device, arranged in a zone between the heating device and the substrate.
15. A device as claimed in claim 3, further comprising an extraction device, arranged in a zone between the heating device and the substrate.
16. A device as claimed in claim 8, further comprising an extraction device, arranged in a zone between the heating device and the substrate.
17. A device as claimed in claim 9, further comprising an extraction device, arranged in a zone between the heating device and the substrate.
18. A device as claimed in claim 5, further comprising an extraction device, arranged in a zone between the heating device and the substrate.
19. A device as claimed in claim 1, wherein the device is for processing electrical circuit substrates.
20. A device for processing a substrate, comprising:
  - a laser source;
  - an optical deflection system arranged in a light path of a laser beam; and
  - a glass guard, wherein the glass guard includes a heating device.

21. The device as claimed in claim 20, wherein the heating device is adapted to heat at least a portion of the glass guard to a relatively higher temperature than its surroundings.
22. The device as claimed in claim 20, wherein the heating device is adapted to heat at least a portion of the glass guard to a noticeably higher temperature than its surroundings.
23. A device as claimed in claim 20, wherein the heating device includes an annular heating element.
24. A device as claimed in claim 20, wherein the heating device includes a hot air blower.
25. A device as claimed in claim 24, wherein the blower includes a plurality of outlet nozzles distributed evenly around the periphery of the glass guard.
26. A device as claimed in claim 20, wherein the glass guard is adapted to be heated with the heating device to a temperature between approximately 50°C and approximately 120°C.
27. A device as claimed in claim 21, wherein the glass guard is adapted to be heated with the heating device to a temperature between approximately 50°C and approximately 120°C.
28. A device as claimed in claim 22, wherein the glass guard is adapted to be heated with the heating device to a temperature between approximately 50°C and approximately 120°C.
29. A device for processing a substrate, comprising:
  - a laser source;
  - an optical deflection system arranged in a light path of a laser beam; and
  - a glass guard, wherein the glass guard includes heating means for heating at least a portion of the glass guard to a relatively higher temperature than its surroundings.
30. A device as claimed in claim 29, wherein the heating means includes an annular heating element.

31. A device as claimed in claim 29, wherein the heating means includes a hot air blower.
32. A device as claimed in claim 31, wherein the blower includes a plurality of outlet nozzles distributed evenly around the periphery of the glass guard.
33. A device as claimed in claim 29, wherein the glass guard is adapted to be heated with the heating device to a temperature between approximately 50°C and approximately 120°C.